

# WNYRIC Standards List as of October 2016

*\*Includes Instructional Technology (CSLO) Peripheral devices, for example: video cameras, digital cameras, document cameras, handheld devices, tablets, projectors etc.*

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**Category:** **1. Computers**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
<b>A. Desktop B. Laptop C. Tablet D. Chromebook</b>		
<b>A, B, C</b>	Apple	
<b>A, B, C, D</b>	Acer	
	Dell	
	HP	
	Lenovo	
	Sony	
	Toshiba	
<b>B, C, D</b>	Microsoft	
<b>C, D</b>	Asus	

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## Category: 2. Operating Systems

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
<b>A. Network</b>	Linux	Red Hat Version 7.X or newer Ubuntu
	Mac OS X Server	
	Novell	
	VMWare	Infrastructure 4 (or newer)
	Windows 2008 and newer	Windows 2003-NNI (End of life June 14, 2013) Includes MS Hyper V
<b>B. Workstations</b>	Chrome OS	
	Linux	Red Hat Version 7.X or newer Ubuntu
	Mac OS X	
	Thin Zero Client	
	Windows 7 and newer	Any Non-Pro version of 8 not allowed if equipment is expected to connect to the network.
	Windows Vista	Not recommended-NNI

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## C. Tablets

Android 3.1 (or above)

OS, Applications and Hardware capability must be verified by Michelle Okal or Jan Mathis prior to purchase

iOS4.1 (or above)

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**Category:**                      **3. Internet Browsers**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
	Chrome	
	Firefox	
	Internet Explorer	IE 8.0 and newer
	Safari	

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**Category:** **4. NIC Cards**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
<b>A. Ethernet 10/ 100 / Gig E / wireless/10 gig</b>	<b>OEM</b>	by PC manufacturer on Standards List; Dual Band Recommended

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**Category:** **5. Plotters**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
	HP	Specific services only

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**Category:** **6. Printers**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
<b>A. 3D</b>	The current bid number is B16-TDP519	<a href="https://main.wnyric.org/doc/Erie1Coo.nsf">https://main.wnyric.org/doc/Erie1Coo.nsf</a>
<b>B. High Speed Networked Digital</b>	Canon	Selected models that are listed on the Erie 1 BOCES bid #B15-DP0520 <a href="https://main.wnyric.org/doc/Erie1Coo.nsf">https://main.wnyric.org/doc/Erie1Coo.nsf</a>
	Konica-Minolta	Selected models that are listed on the Erie 1 BOCES bid #B15-DP0520 <a href="https://main.wnyric.org/doc/Erie1Coo.nsf">https://main.wnyric.org/doc/Erie1Coo.nsf</a>
	Kyocera Mita	Selected models that are listed on the Erie 1 BOCES bid #B15-DP0520 <a href="https://main.wnyric.org/doc/Erie1Coo.nsf">https://main.wnyric.org/doc/Erie1Coo.nsf</a>
	Panasonic	Selected models that are listed on the Erie 1 BOCES bid #B15-DP0520 <a href="https://main.wnyric.org/doc/Erie1Coo.nsf">https://main.wnyric.org/doc/Erie1Coo.nsf</a>
	Ricoh	Selected models that are listed on the Erie 1 BOCES bid #B15-DP0520 <a href="https://main.wnyric.org/doc/Erie1Coo.nsf">https://main.wnyric.org/doc/Erie1Coo.nsf</a>
	Sharp	Selected models that are listed on the Erie 1 BOCES bid #B15-DP0520 <a href="https://main.wnyric.org/doc/Erie1Coo.nsf">https://main.wnyric.org/doc/Erie1Coo.nsf</a>
	Toshiba	Selected models that are listed on the Erie 1 BOCES bid #B15-DP0520 <a href="https://main.wnyric.org/doc/Erie1Coo.nsf">https://main.wnyric.org/doc/Erie1Coo.nsf</a>
<b>C. Standard</b>	Dell	

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C. Standard	Epson	
	HP	
	Lexmark	
	Okidata	
	PTM Document Systems	Print to mail units for Standards supported printers
	Ricoh	
D	Xerox	
	Samsung	Chromebook only



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*Category: 7. Scanners*

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
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Others as required or recommended by  
specific supported services/applications

Canon

HP

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**Category:** **8. Software**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
<b>A. Anti Theft/Data Protection</b>	Absolute Computrace	
<b>B. Collaborative Software</b>	Exchange	
	Lotus Notes	
<b>C. Desktop Image Protection</b>	Deep Freeze	Refer to WNYRIC End Point Management Best Practices
	ZenWorks	Refer to WNYRIC End Point Management Best Practices
<b>D. Desktop Imaging</b>	Symantec Ghost	
<b>E. Malware Protection</b>	Computer Associates	
	McAfee	
	Microsoft Endpoint Protection	
	Sophos	
	Symantec	
<b>F. Office Productivity</b>	File Maker Pro	

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<b>F. Office Productivity</b>	Microsoft Office Suite	Or its components
	OpenOffice	
<b>G. Printer Management</b>	Papercut MF	
	Print Manager Plus	
<b>H. Terminal Servers</b>	Citrix	
	Microsoft	

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**Category:** **9. Servers**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
<b>A. Standard</b>	Apple	NNI
	Dell	
	HP	
	Lenovo	
	Nexlink	Seneca Data-NNI
<b>B. SAN</b>	Dell/Equallogic Storage Solutions	
	HP/Lefthand Storage Works	

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**Category:** **10. Server Back Up**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
<b>A. Hardware</b>	Exagrid	
	IdealStor Backup Appliance Hardware Solutions	Hardware only: Teralyte, FraneNAS, and the IdealStor Backup appliance - excludes iBac product
	Tape Backup as recommended by server manufacturer	
<b>B. Software</b>	ARCServ	
	Backup Exec	
	NovaStor	
	Paragon Backup and Restore	
	Retrospect MAC OSX	
	Veeam Backup and Replication	
	Yosemite/Novanet	

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**Category:** **11. UPS**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
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APC

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**Category:** *12. Virtualization*

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
<b>A. Desktop Application</b>	Oracle Virtual Box	
	Parallel	
	Spoon Virtual Application Studio	
	VMWare Fusion	
<b>B. Private Cloud</b>	Classlink-Launchpad	
	WebNetwork-Stoneware	
<b>C. Workstations</b>	nComputing	

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**Category:** *13. Communications Equipment\*\**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
<b>A. Routers/Switches</b>	Avaya Systems	
	Cisco	
	Cisco Meraki Cloud Managed Switch Gear	Must consult with WNYRIC WAN Senior Engineer prior to purchase.
<b>B. Wireless Access Points</b>	Apple	
	Aruba	
	Avaya-Nortel Systems	
	Cisco	
	Meraki/Cisco	
	MERU	
<b>C. Wireless Bridge</b>	LigoWare	
	Ubiquiti	



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**Category:** 14. VoIP\*\*

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
	Avaya	
	Cisco	

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**Category:** *15. Video Conferencing*

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
<b>A. Hardware Appliance Based</b>	Cisco Tandberg Videoconferencing	
	Polycom Videoconferencing	
<b>B. Software Based</b>		

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**Category:** *16. Network Optimization*

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
	Veloxum	NNI
	Vmware Vcenter Operations Manager	

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**Category:** *17. End Point Management*

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
	Faronics Deep Freeze Cloud Connector	
	IBM TEM	Tivoli Endpoint Management
	Impero	Accessible on local network only
	JAMF Casper Suite	
	SCCM	2013 SP1 and newer